

# Converting Colors

$Yxy(82.7857, 0.2187, 0.1735)$

Have a look what the booklet for  
Yxy(82.7857, 0.2187, 0.1735)  
contains.

|   |    |
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# Color

**Yxy(68.9546, 0.2857, 0.2843)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | D5D5FF                      |
| RGB         | 213, 213, 255               |
| RGB Percent | 84%, 84%, 100%              |
| CMY         | 0.1646, 0.1647, 0.0000      |
| CMYK        | 0.16, 0.16, 0.00, 0.00      |
| HSL         | 240°, 100%, 92%             |
| HSV         | 240°, 16%, 100%             |
| XYZ         | 69.2942, 68.9546, 104.2929  |
| YIQ         | 217.7880, -13.4820, 13.0620 |

# Conversions

## Conversions Part 2

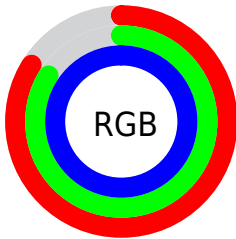
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 213, 213, 255                 |
| Decimal                             | 14013951                      |
| CIE Lab                             | 86.48, 8.28, -20.46           |
| CIE LCh                             | 86, 22.069, 292.035           |
| Yxy                                 | 68.9546, 0.2857,<br>0.2843    |
| Android<br>(android.graphics.Color) | 4292204031<br>(0xFFD5D5FF)    |
| YUV                                 | 217.7880, 18.3455,<br>-4.1991 |
| Hunter-Lab                          | 83.0389, 3.6363,<br>-16.3382  |

# Details

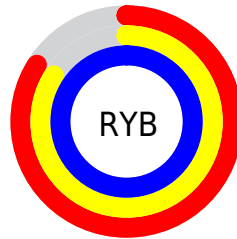
The Yxy color  $68.9546, 0.2857, 0.2843$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $97.5775, 0.3375, 0.3701$ , and the grayscale version is  $69.8378, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.8000, 0.2794, 0.2738$  is the 20% darker color. If you saturate the color by 10%, you get  $53.6042, 0.2666, 0.2527$ , and if you desaturate by 10%, it is  $86.9217, 0.3028, 0.3126$ .

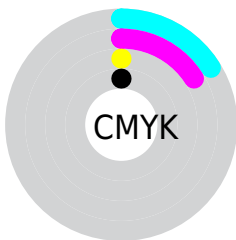
# Distribution



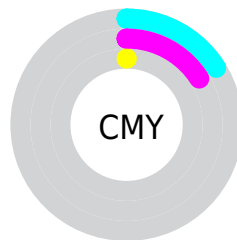
- Red (84%)
- Green (84%)
- Blue (100%)



- Red (84%)
- Yellow (84%)
- Blue (100%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9546, 0.2857, 0.2843 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 68.9546, 0.2857, 0.2843 by changing the saturation by 10% instead.



68.9546, 0.2857,  
0.2843

68.9546, 0.2857,  
0.2843

456.8708, 0.2984,  
0.3047

50.6747, 0.2828,  
0.2797

117.7167, 0.2901,  
0.2913

35.9498, 0.2792,  
0.2741

148.9678, 0.2918,  
0.2941

24.3954, 0.2746,  
0.2671

185.3114, 0.2933,  
0.2964

15.6272, 0.2686,  
0.2580

227.1318, 0.2946,  
0.2985

9.2608, 0.2604,  
0.2460

274.8136, 0.2957,  
0.3003

4.9117, 0.2486,  
0.2291

328.7411, 0.2967,

2.1955, 0.2305,

0.3019

0.2041

389.2987, 0.2976,  
0.3034

0.7175, 0.1998,  
0.1620

0.0000, 0.0000,  
0.0000

68.9546, 0.2857,  
0.2843

68.9546, 0.2857,  
0.2843

53.6042, 0.2666,  
0.2527

86.9217, 0.3028,  
0.3126

40.7466, 0.2458,  
0.2183

100.0000, 0.3127,  
0.3290

30.2511, 0.2241,  
0.1823

21.9738, 0.2027,  
0.1470

■ 15.7557, 0.1832,  
0.1148

■ 11.4162, 0.1674,  
0.0888

■ 8.7440, 0.1566,  
0.0709

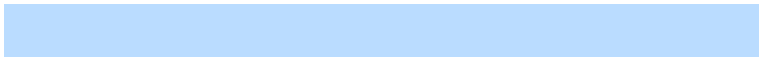
■ 7.4745, 0.1511,  
0.0619

■ 7.2213, 0.1500,  
0.0600

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9546, 0.2678, 0.2877



68.9546, 0.2857, 0.2843



68.9546, 0.3114, 0.2918

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9546, 0.2857, 0.2843



68.9546, 0.3667, 0.3523



68.9546, 0.2865, 0.3509

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.9546, 0.2857, 0.2843



97.5775, 0.3375, 0.3701

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9546, 0.3121, 0.3705



68.9546, 0.2857, 0.2843



68.9546, 0.3590, 0.3700

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.9546, 0.2857, 0.2843



68.9546, 0.3591, 0.3299



68.9546, 0.3388, 0.3773



68.9546, 0.2682, 0.3253



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9546, 0.2857, 0.2843



68.9546, 0.3299, 0.3019



68.9546, 0.3388, 0.3773



68.9546, 0.2945, 0.3585

# Sweetspot

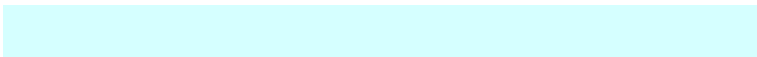
The Sweet Spot groups the original color and five complimentary colors.



68.9552, 0.2857, 0.2843



89.7965, 0.3051, 0.3165



92.8851, 0.2877, 0.3289



18.9250, 0.3040, 0.3146



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9552, 0.2857, 0.2843



63.2487, 0.2792, 0.2735



72.2970, 0.2999, 0.2862



17.3785, 0.2978, 0.3044



3.7736, 0.1500, 0.0600



0.3676, 0.1501, 0.0600



# Inverse Universe

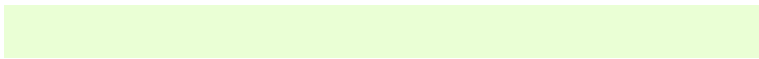
The Inverse Universe completely reimagines the original color for something new.



76.0631, 0.3147, 0.2881



71.6632, 0.3151, 0.2792



93.8156, 0.3239, 0.3719



18.3002, 0.3138, 0.3056



14.8748, 0.3211, 0.1543



1.4484, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 68.9546, 0.2857, 0.2843 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

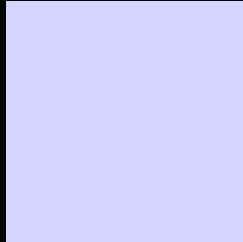
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9546, 0.2857, 0.2843 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

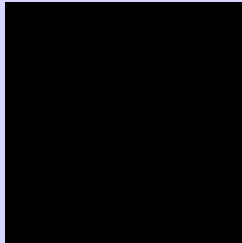
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.9546, 0.2857, 0.2843**

## Background



This preview shows how black text looks on a background with the Yxy color 68.9546, 0.2857, 0.2843.



This preview shows how white text looks on a background with the Yxy color 68.9546, 0.2857, 0.2843.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

68.9546, 0.2857, 0.2843

### Protanopia

68.7230, 0.2825, 0.2850

### Deuteranopia

68.7140, 0.2890, 0.2826



## Tritanopia

69.1215, 0.2961, 0.3103

# Trichromacy



## Original Color

68.9546, 0.2857, 0.2843

## Protanomaly

69.0148, 0.2838, 0.2852

## Deuteranomaly

68.9059, 0.2877, 0.2835

## Tritanomaly

69.2242, 0.2917, 0.3007

# Monochromacy



## Original Color

68.9546, 0.2857, 0.2843

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.4802, 0.3028, 0.3126

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9546, 0.2857, 0.2843 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(213, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 213, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(213, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 213, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9546, 0.2857, 0.2843 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 213, 255) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(213, 213, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(213, 213, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 213,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9546, 0.2857, 0.2843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 213, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(213,  
213, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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